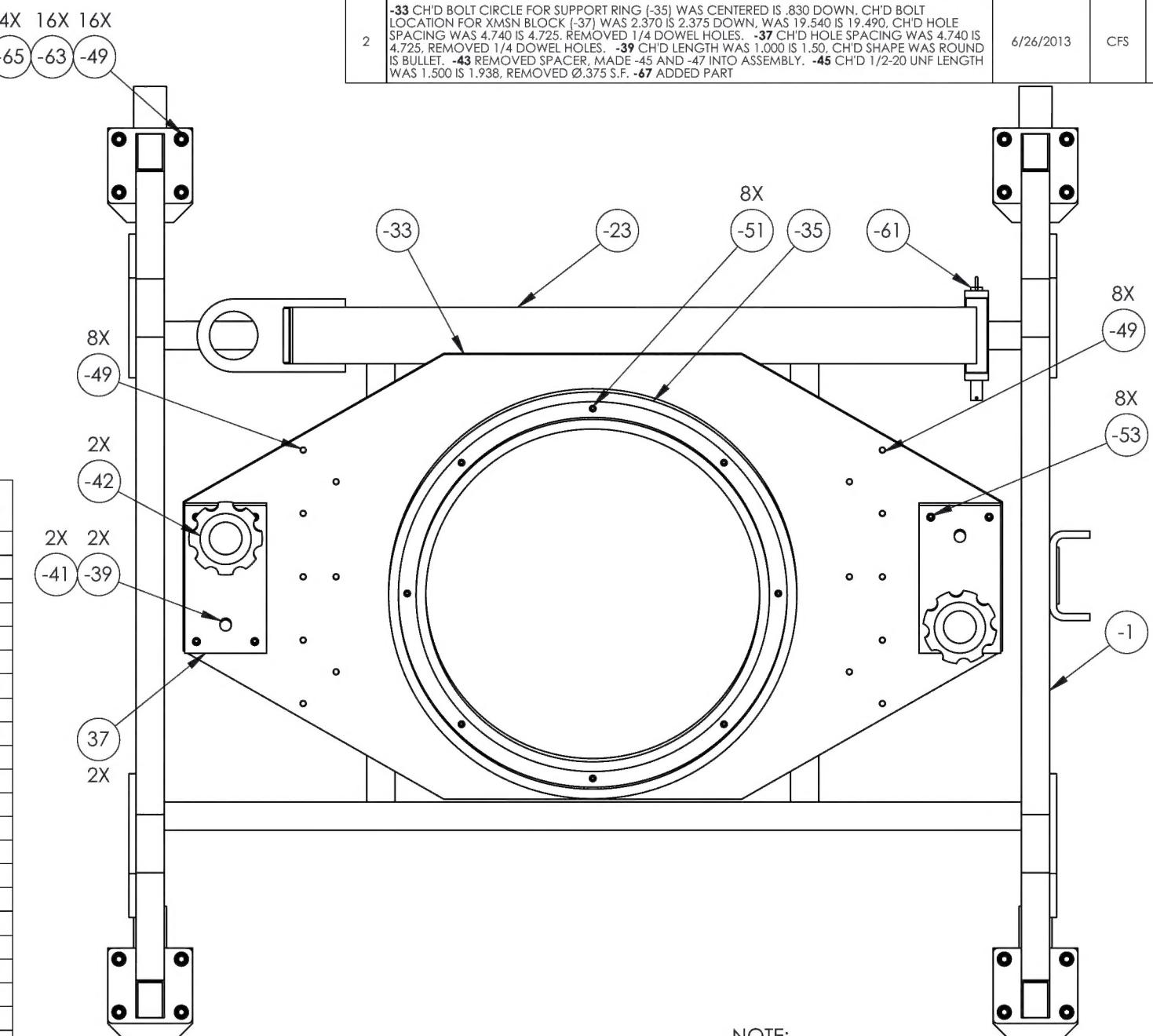


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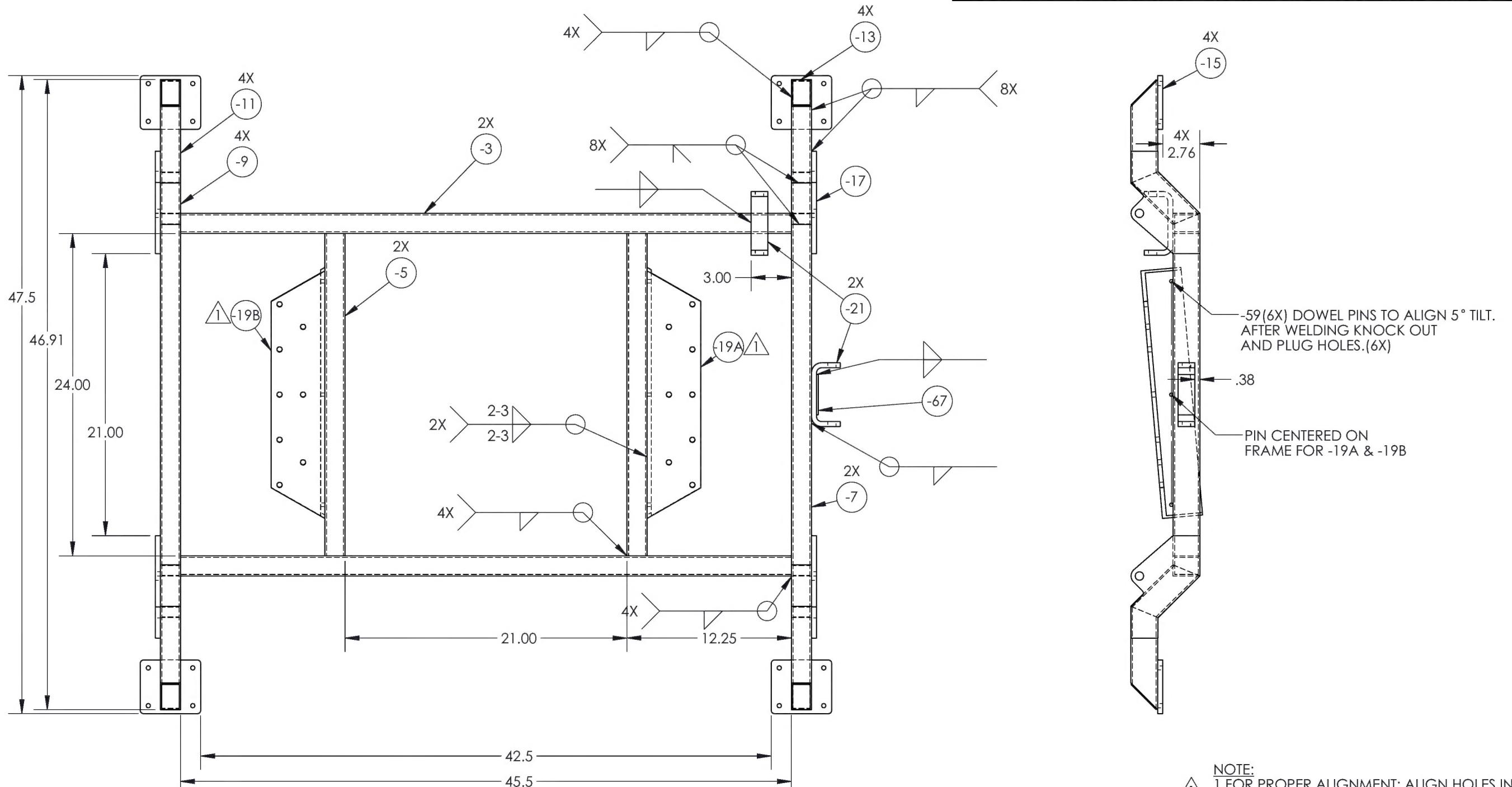
ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X	-1	1			FRAME WELDMENT			2
	2	-3				SIDE RAIL	RECT. TUBE	.120 X 1-1/2 X 2 X 45-1/2	3
	2	-5				CENTER RAIL	RECT. TUBE	.120 X 1-1/2 X 2 X 24	4
	2	-7				FRONT & BACK RAIL	RECT. TUBE	.120 X 1-1/2 X 2 X 27	5
	4	-9				ANGLED LEG	RECT. TUBE	.120 X 1-1/2 X 2 X 5-1/2	6
	4	-11				HORIZONTAL LEG	RECT. TUBE	.120 X 1-1/2 X 2 X 7-3/4	7
	4	-13				END CAP	C.R. SHEET	14ga. X 1-5/16 X 2-5/8	8
	4	-15				WHEEL PLATE	A36 PLATE	3/8 X 4 X 4-1/2	9
	4	-17				LIFTING BRACE	A36 PLATE	3/8 X 5-1/8 X 7-5/8	10
	1	-19A				FRONT PLATE MOUNT	ANGLE BAR	5/16 X 3 X 4 X 18-1/2	11
	1	-19B				REAR PLATE MOUNT	ANGLE BAR	5/16 X 3 X 4 X 18-1/2	12
	1	-21				TONGUE BRACKET	H.R. FLAT BAR	3/8 X 1-1/4 X 8-1/2	13
X		-23	1			HANDLE WELDMENT			14
1		-25				PIVOT	CDS	Ø1-1/8 X 1/4 WALL X 4	15
1		-27				TONGUE TUBE	RECT. TUBE	3/16 X 1-1/2 X 3 X 37	16
1		-29				TONGUE PLATE	1018	5/8 X 4 X 8	17
2		-31				END CAP	C.R. SHEET	14ga. X 7/16 X 2.70	18
		-33	1			TOP PLATE	A-36 PLATE	5/8 X 23-3/4 X 43-1/2	19
		-35	1			SUPPORT RING	DELRIN	2 X 22 X 22	20
		-37	2			XMSN BLOCK	6061 FLAT BAR	1-3/4 X 4-1/2 X 8-1/8	21
		-39	2			PIN NOSE	DELRIN	Ø5/8 X 1-1/8	22
		-41	2			PIN ALL THREAD	STEEL	1/2-20 UNF X 2-3/8 MCMASTER-CARR #98957A809	23
X		-42	2			KNOB ASSEMBLY			24
1		-43				HANDLE SPACER	DELRIN	Ø5/8 X 7/8	25
1		-45				HANDLE ALL THREAD	PLAIN STEEL	1/2-20 UNF X 3-1/8 MCMASTER-CARR #98957A809	26
1		-47				KNOB	PHENOLIC	REID #KHN-45(MODIFIED)	27
B/O	-49	32				SOCKET HEAD CAP SCREW	STEEL	3/8-16 UNC X 7/8 MCMASTER-CARR #90128A623	1
B/O	-51	8				SOCKET HEAD CAP SCREW	STEEL	#10-32 UNC X 1-1/4 MCMASTER-CARR #90128A948	1
B/O	-53	8				SOCKET HEAD CAP SCREW	STEEL	1/4-20 UNC X 1-1/2 MCMASTER-CARR #90128A251	1
B/O	-59	6				DOWEL PIN	STEEL	Ø1/4 X 3/4 MCMASTER-CARR #98381A540	2
B/O	-61	1				HITCH PIN	STEEL	Ø5/8 X 5-3/4 MCMASTER-CARR #98497A663	1
B/O	-63	16				FLAT WASHER	STEEL	Ø3/8 MCMASTER-CARR #94744A265	1
B/O	-65	4				LOCKING WHEELS		Ø6 in. APPLIED(BASSICK #CAS60156YZ200A81 BG SL)	1
ASSY -42	ASSY -23	ASSY -1				STOP	1018	1/8 X 3 X 1-1/4	28



RB RED BARN MACHINE	
TITLE AW139 MAIN GEARBOX TROLLEY	
DWG NO. RBW6305G19833-3G REV 2	
MAT'L DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED APPROVED D. Weil	
DIMENSIONS ARE IN INCHES FRACTIONS ± 1/32	
.XXX ± .005 XX ± .01 X ± .1	
.015" ANGLES ± 5°	
1. BREAK ALL SHARP EDGES .015 x 45°	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL AW139	
SCALE 1:8	DATE 6/21/2013
SHEET 1 OF 28	

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REV		DESCRIPTION		DATE	INITIAL	APPROVED
1		CH'D -1 FINISH FROM POWDER COAT, ADDED MISSING DIMENSIONS, ADDED NOTE 1 PER S.E. CH'D WELD CALLOUT FOR -19A & B TO -5 PER D.W.		6/24/2013	RJC	DW



(-1)

FRAME WELDMENT

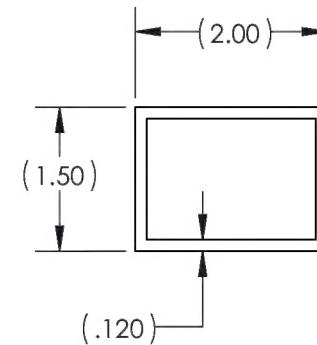
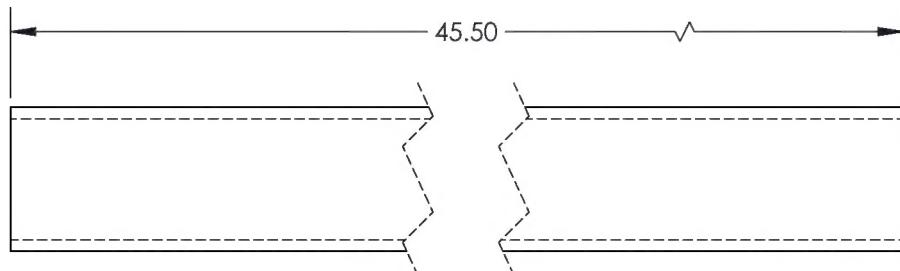
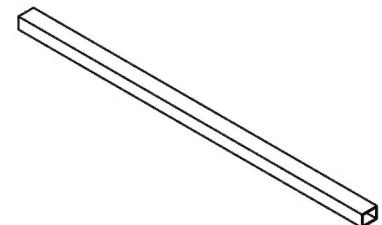


NOTE:
1. FOR PROPER ALIGNMENT: ALIGN HOLES IN -33
TO THE HOLES IN -19A & -19B PRIOR TO WELDING.

RB RED BARN MACHINE	
TITLE AW139 MAIN GEARBOX TROLLEY	
DWG NO. RBW6305G19833-3G-1 REV 2	
MAT'L	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.0XX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC	FED #13538
USED ON MODEL	
AW139	
SCALE	1:8
DATE	6/21/2013
SHEET 2 OF 28	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



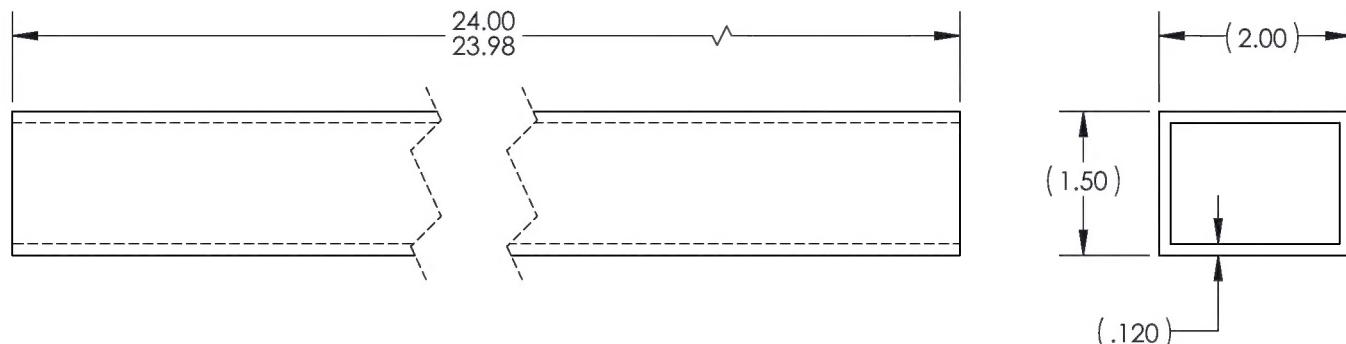
(-3)

SIDE RAIL

 RED BARN MACHINE	
TITLE AW139 MAIN GEARBOX TROLLEY	
DWG NO.	RBW6305G19833-3G-3
DRAWN BY: PERRITT	
REV ?	
MATL. RECT. TUBE	APPROVED <i>D Weil</i>
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
HEAT TREAT FINISH SEE -1 WELDMENT	
SPEC	
USED ON MODEL	
AW139	
SCALE	1:2
DATE	6/21/2013
SHEET 3 OF 28	

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REVISIONS					
REV	DESCRIPTION	DATE	INITIAL	APPROVED	

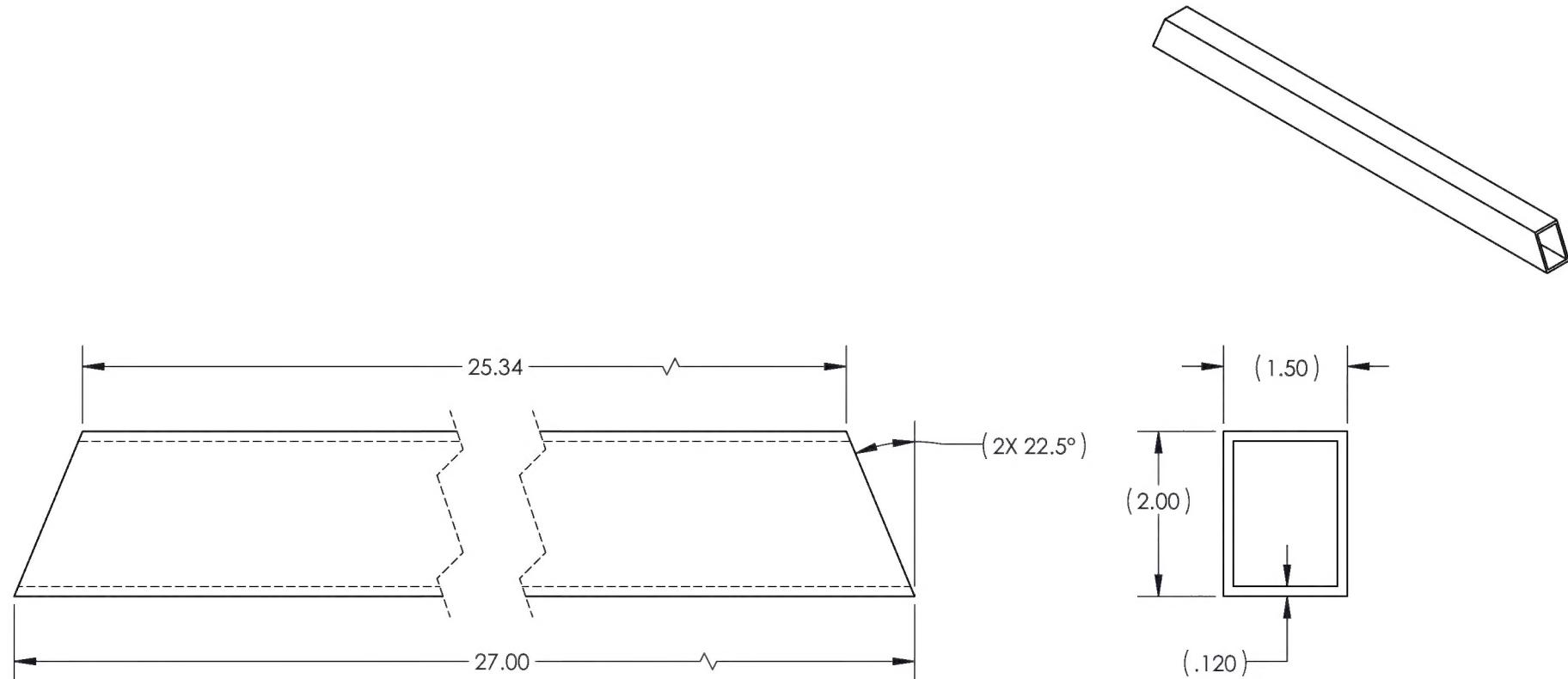


(-5)
CENTER RAIL

 RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY
DWG NO.	RBW6305G19833-3G-5
REV	?
MATL	RECT. TUBE
UNLESS OTHERWISE SPECIFIED	DRAWN BY: PERRITT
DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	HEAT TREAT FINISH SEE -1 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AW139
SCALE	1:2
DATE	6/21/2013
SHEET 4 OF 28	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



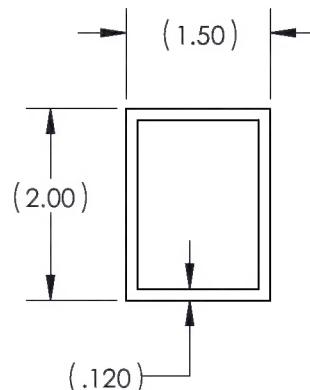
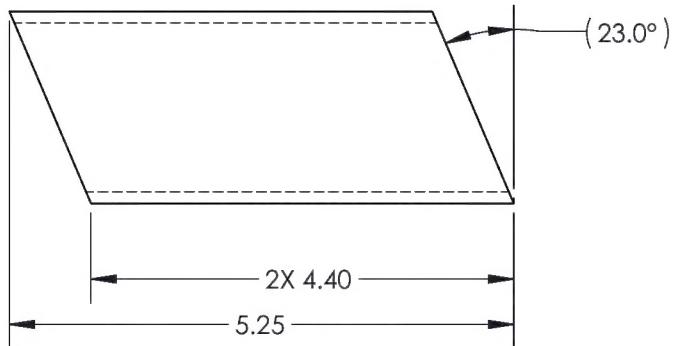
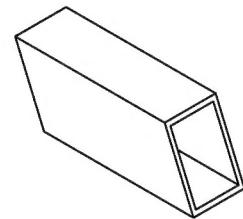
(-7)

FRONT & BACK RAIL

 RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY
DWG NO.	RBW6305G19833-3G-7
REV	?
MATL	RECT. TUBE
UNLESS OTHERWISE SPECIFIED	DRAWN BY: PERRITT
DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH SEE -1 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45°	SPEC
OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER	AW139
PLATING	
SCALE	1:2
DATE	6/21/2013
SHEET	5 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



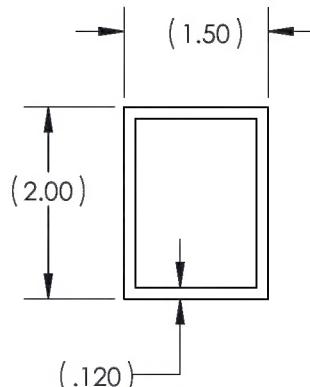
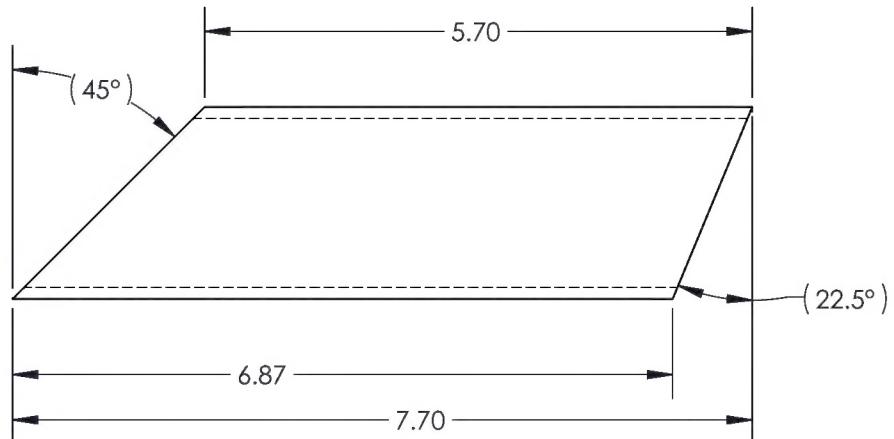
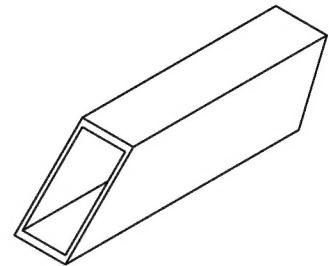
(-9)

ANGLED LEG

RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY
DWG NO.	RBW6305G19833-3G-9
REV	?
MATL	RECT. TUBE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	HEAT TREAT
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	FINISH SEE -1 WELDMENT
	SPEC
	USED ON MODEL
	AW139
SCALE	1:2
DATE	6/21/2013
SHEET 6 OF 28	

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		REVISIONS		
REV		DESCRIPTION	DATE	INITIAL APPROVED

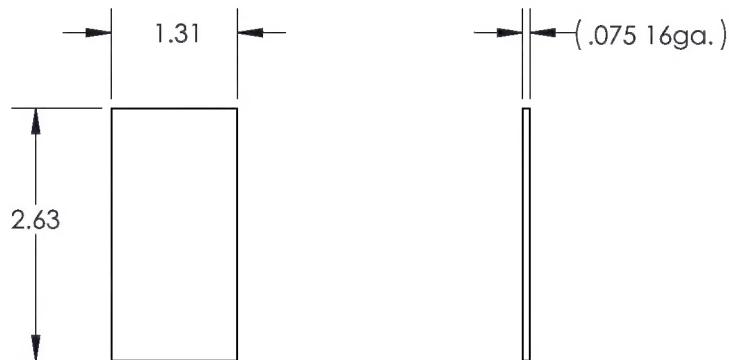
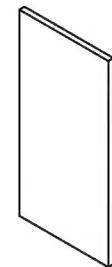


(-11)
HORIZONTAL LEG

RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY
DWG NO.	RBW6305G19833-3G-11
REV	?
MATL	RECT. TUBE
UNLESS OTHERWISE SPECIFIED	DRAWN BY: PERRITT
DIMENSIONS ARE IN INCHES	APPROVED
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	HEAT TREAT FINISH SEE -1 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AW139
SCALE	1:2
DATE	6/21/2013
SHEET 7 OF 28	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



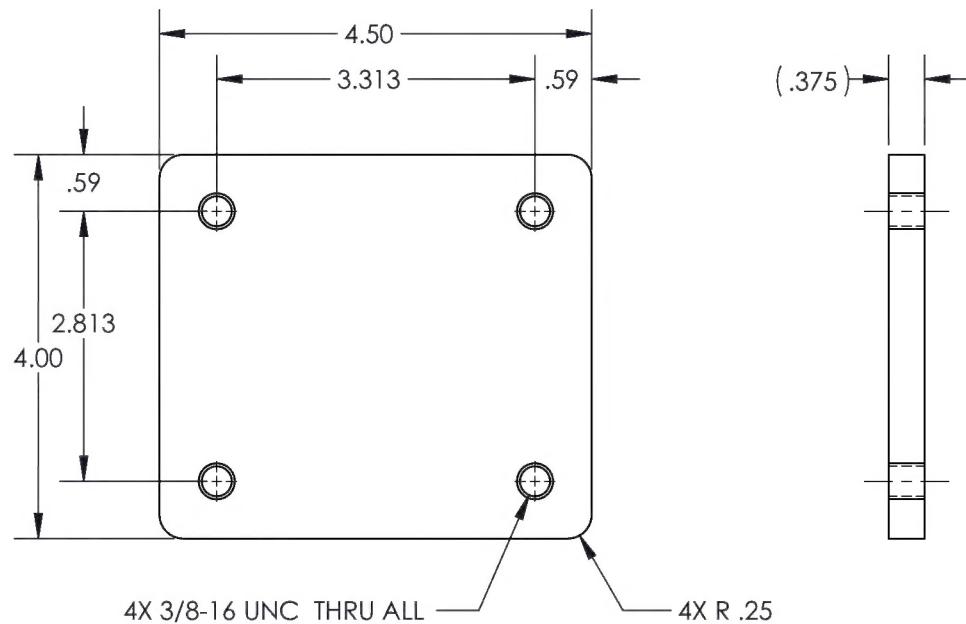
-13

END CAP

 RED BARN MACHINE	
TITLE AW139 MAIN GEARBOX TROLLEY	
DWG NO.	RBW6305G19833-3G-13
MATL	C.R. SHEET
DRAWN BY: PERRITT	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± .5°	
.X ± .1	
HEAT TREAT FINISH SEE -1 WELDMENT	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC	
USED ON MODEL	
AW139	
SCALE	1:2
DATE	6/21/2013
SHEET 8 OF 28	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



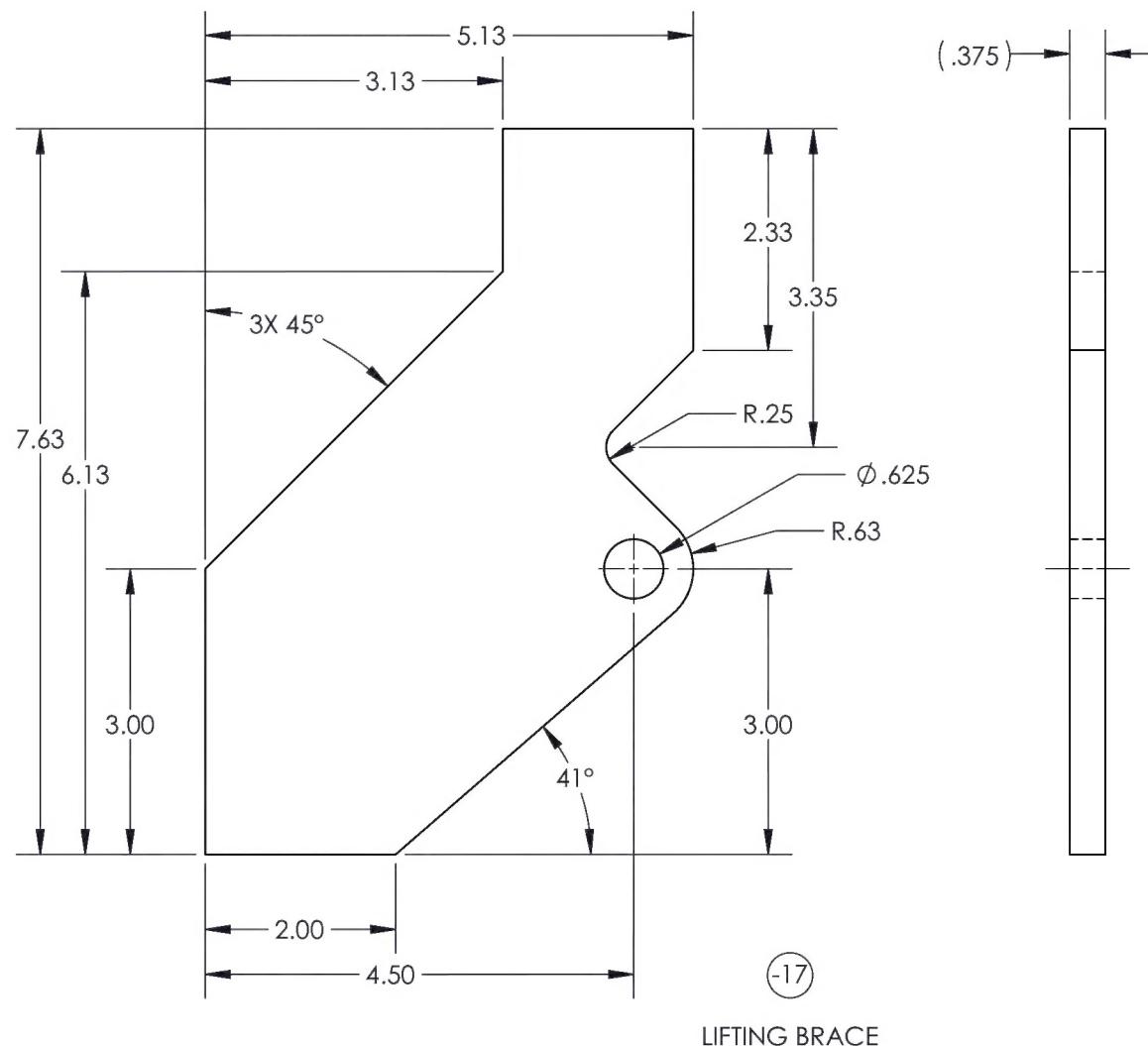
-15

WHEEL PLATE

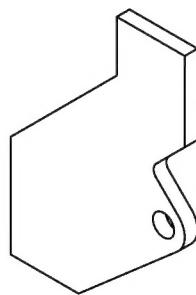
RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY
DWG NO.	RBW6305G19833-3G-15
REV	?
MATL	A36 PLATE
DRAWN BY: PERRITT	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
HEAT	
TREAT	
FINISH SEE -1 WELDMENT	
SPEC	
USED ON MODEL	
AW139	
SCALE	1:2
DATE	6/21/2013
SHEET 9 OF 28	

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REV		DESCRIPTION		DATE	INITIAL	APPROVED
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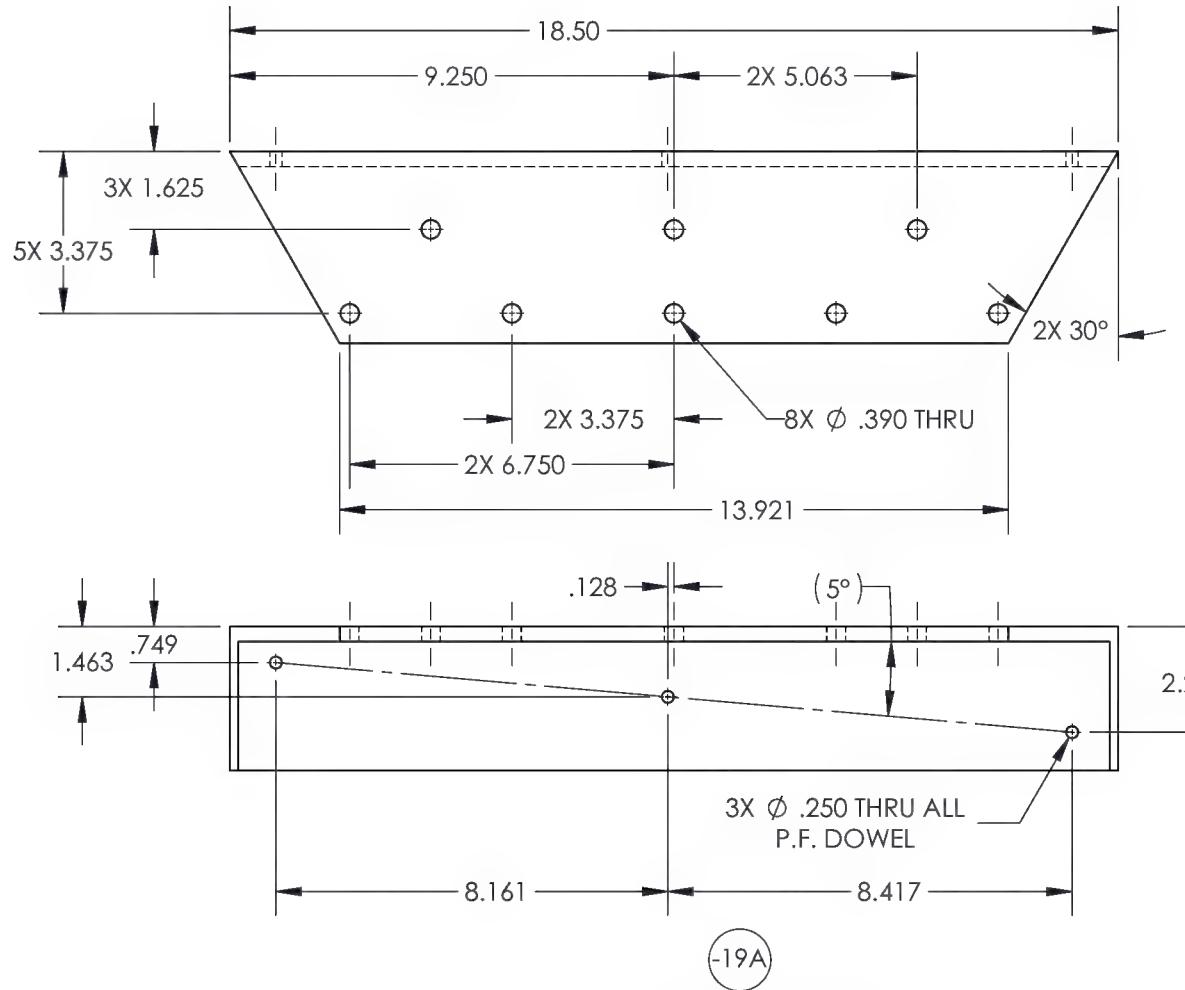
LIFTING BRACE



	RED BARN MACHINE	REV ?
TITLE	AW139 MAIN GEARBOX TROLLEY	
DWG NO.	RBW6305G19833-3G-17	REV ?
MATL	A36 PLATE	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN INCHES		
.XXX ± .005	FRACTIONS ± 1/32	HEAT
.XX ± .01	ANGLES ± .5°	TREAT
.X ± .1		FINISH SEE -1 WELDMENT
SPEC		
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
USED ON MODEL		
AW139		
SCALE	1:2	DATE 6/21/2013
		SHEET 10 OF 28

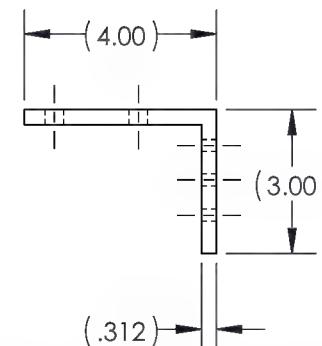
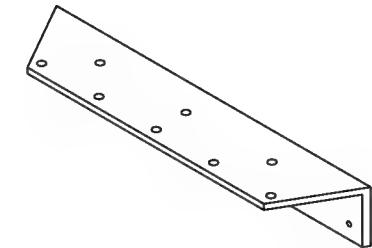
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		REVISIONS		
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -19A & -19B HOLE SIZE FROM Ø.386(X7) TO Ø.390 (X8) PER G.E.	3/12/13	RJC	DW



FRONT PLATE MOUNT

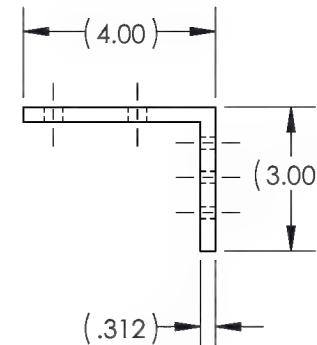
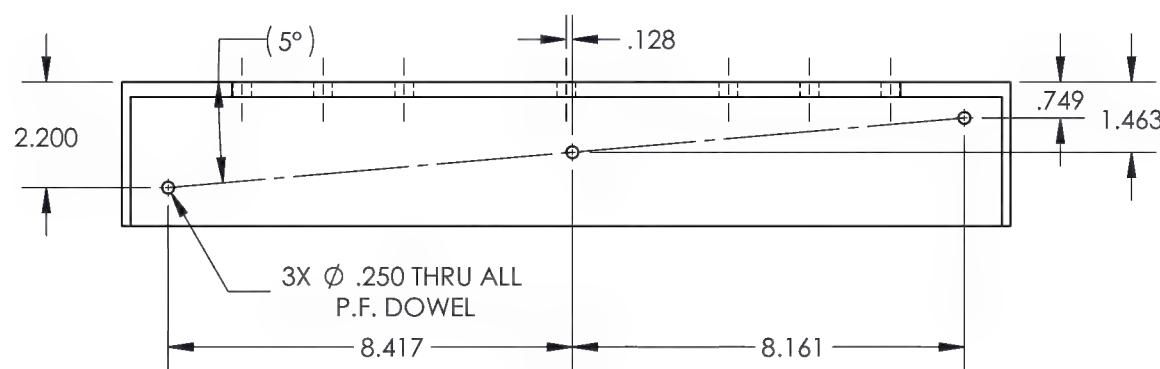
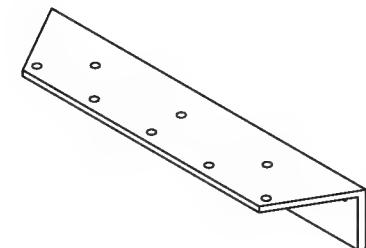
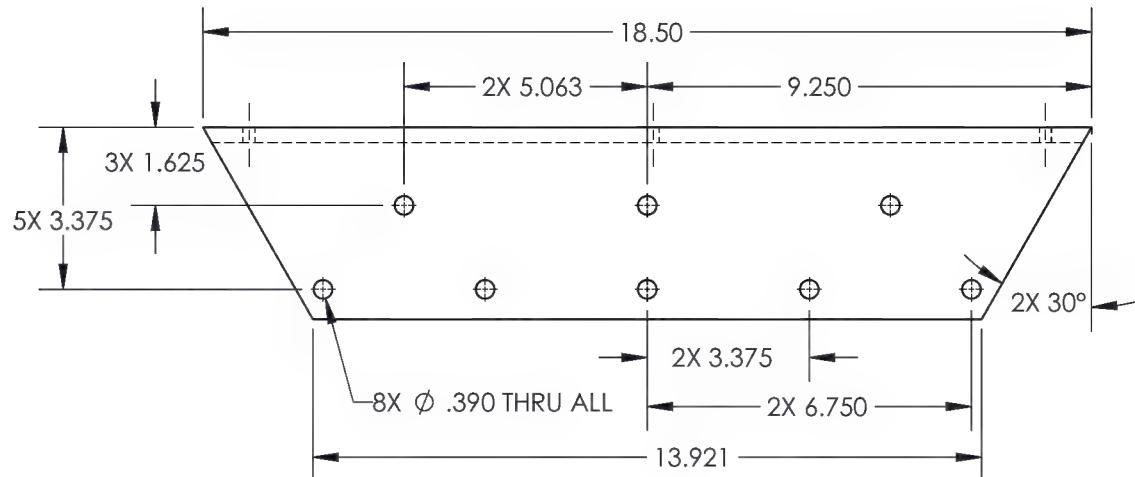
(19A)



 RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY
DWG NO.	RBW6305G19833-3G-19A
REV	2
MATL	ANGLE BAR
UNLESS OTHERWISE SPECIFIED	DRAWN BY: PERRITT
DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	SEE -1 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45°	SPEC
OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER	AW139
PLATING	
SCALE	1:4
DATE	6/21/2013
SHEET	11 OF 28

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		REVISIONS		
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -19A & -19B HOLE SIZE FROM Ø.386(X7) TO Ø.390 (X8) PER G.E.	6/24/2013	RJC	DW



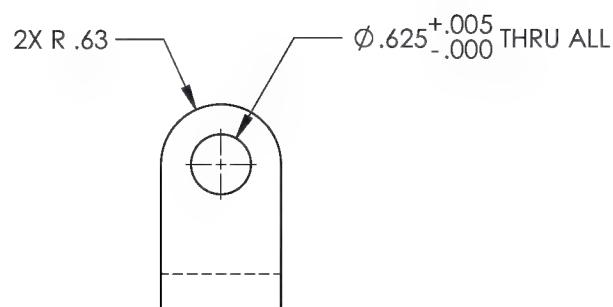
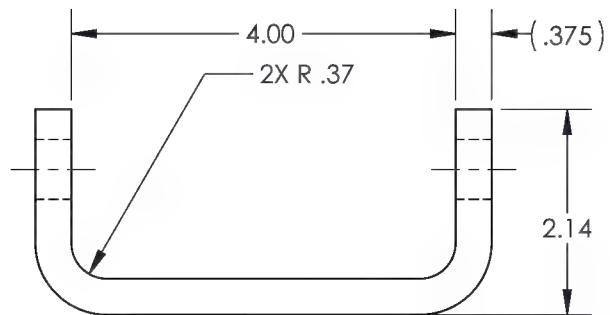
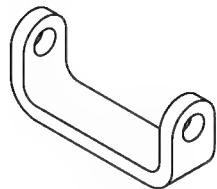
-19B

REAR PLATE MOUNT

RED BARN MACHINE			
TITLE AW139 MAIN GEARBOX TROLLEY			
DWG NO.	RBW6305G19833-3G-19B		
REV	2		
MATL	ANGLE BAR	DRAWN BY:	PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
.XXX ± .005	FRACTIONS ± 1/32	HEAT	TREAT
.XX ± .01	ANGLES ± .5°	FINISH	SEE -1 WELDMENT
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R			
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
USED ON MODEL		AW139	
SCALE	1:4	DATE	6/21/2013
SHEET 12 OF 28			

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



(-21)

TONGUE BRACKET

RB RED BARN MACHINE

TITLE AW139 MAIN GEARBOX TROLLEY

DWG NO. RBW6305G19833-3G-21 REV ?

MATL H.R. FLAT BAR DRAWN BY: PERRITT

APPROVED D Weil

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/32

.XX ± .01 ANGLES ± .5°

.X ± .1

HEAT TREAT FINISH SEE -1 WELDMENT

SPEC

1. BREAK ALL SHARP EDGES .015 x 45° USED ON MODEL

OR .015R

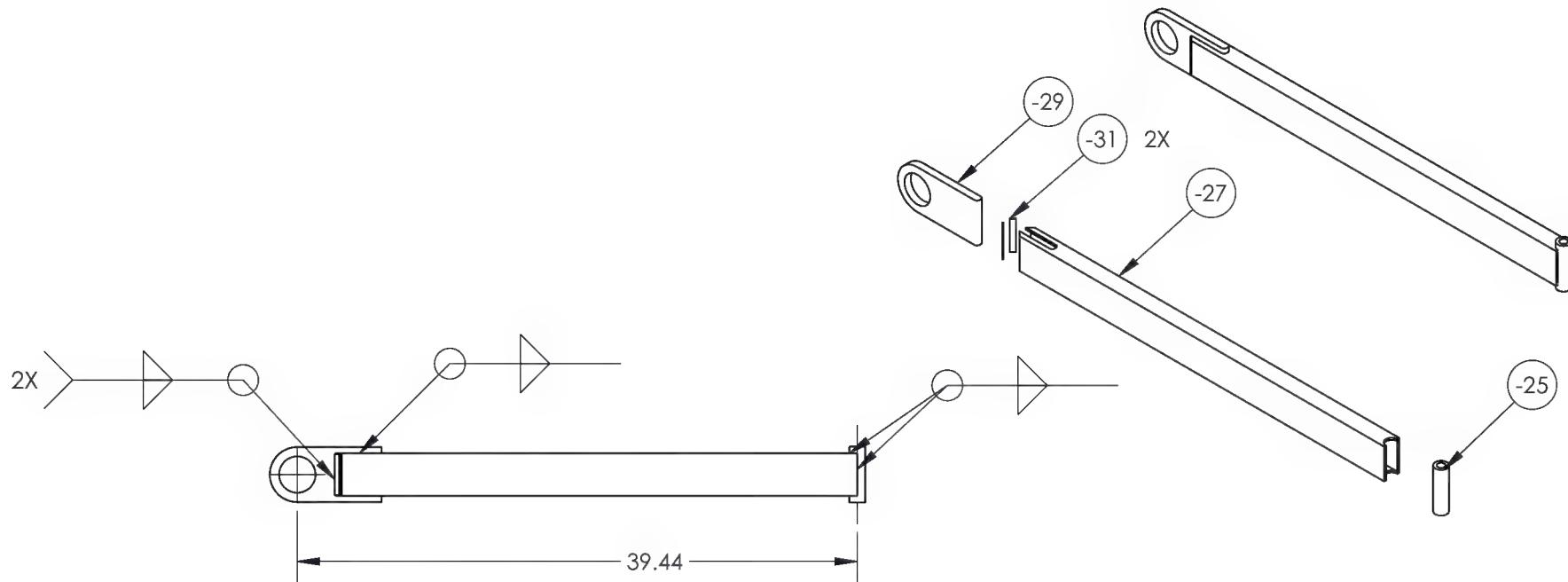
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

AW139

SCALE 1:2 DATE 6/21/2013 SHEET 13 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

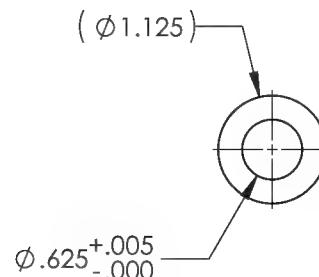
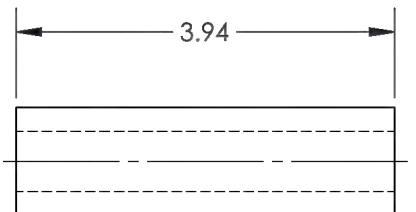
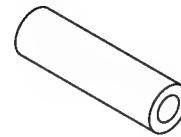


HANDLER DOCUMENT

	RED BARN MACHINE		
TITLE	AW139 MAIN GEARBOX TROLLEY		
DWG NO.	RBW6305G19822-3G-23		REV ?
MAT'L	DRAWN BY: PERRITT		
UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN INCHES			
.XXX ± .005	FRACTIONS ± 1/32		APPROVED
.XX ± .01	ANGLES ± 5°		<i>D. Weil</i>
X ± .1			TREAT
FINISH POWDER COAT YELLOW			
SPEC FED #13538			
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R			
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
USED ON MODEL			
		AW139	
SCALE	1:12	DATE	6/21/2013
		SHEET 14 OF 28	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



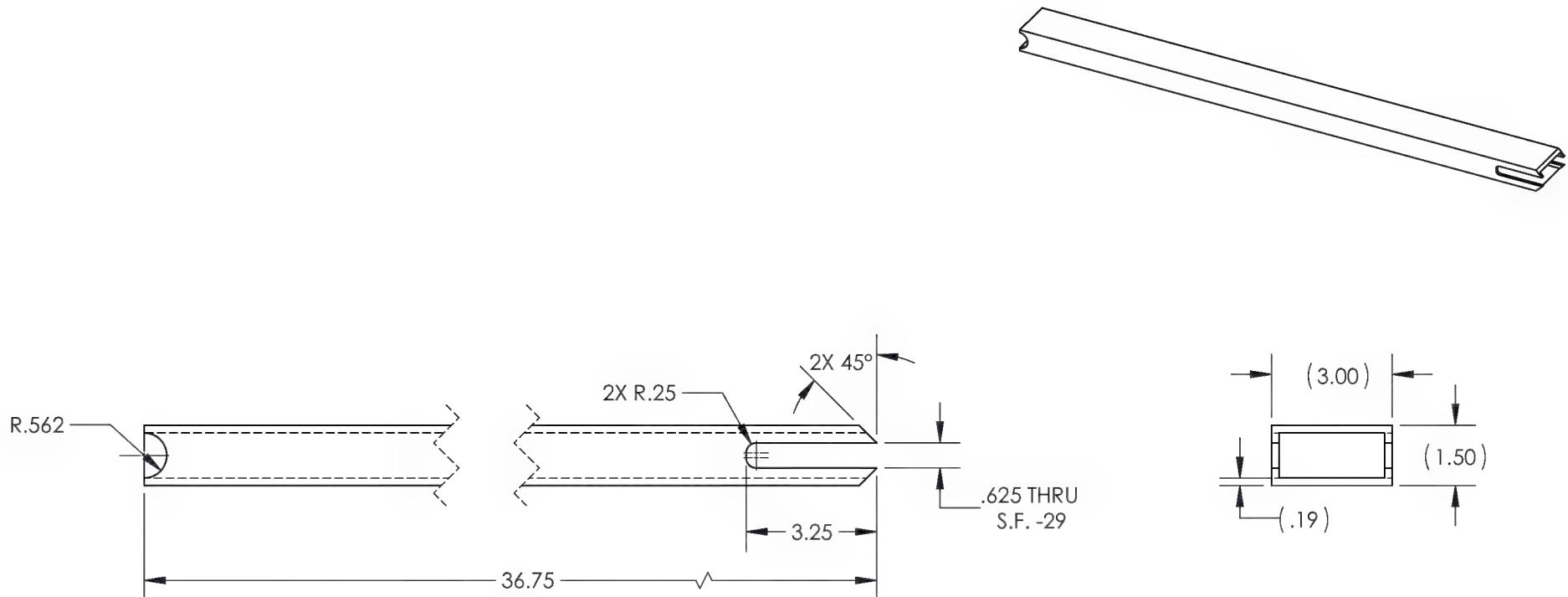
(-25)

PIVOT

	RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY	
DWG NO.	RBW6305G19822-3G-25	REV ?
MATL CDS	DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED	APPROVED <i>D Weil</i>	
DIMENSIONS ARE IN INCHES		
.XXX ± .005	FRACTIONS ± 1/32	HEAT
.XX ± .01	ANGLES ± .5°	TREAT
X ± .1		FINISH SEE -23 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45°		SPEC
OR .015R		USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER		AW139
PLATING		
SCALE	1:2	DATE 6/21/2013
		SHEET 15 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D -27 DELETED S.F. -25 FROM R..562 THRU PER G.E.	6/24/2013	RJC	DW

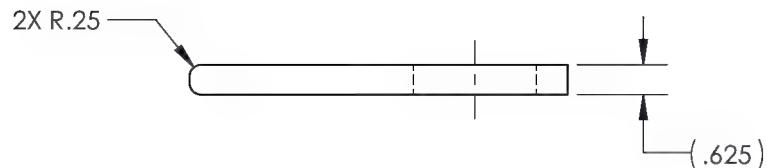
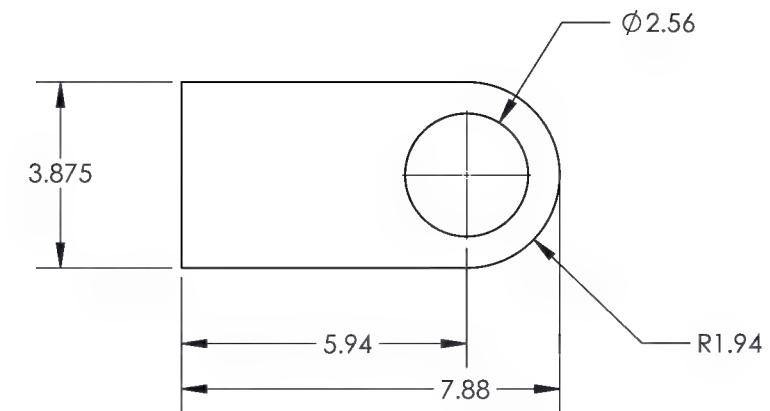


(-27)
TONGUE TUBE

RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY
DWG NO.	RBW6305G19822-3G-27
REV	2
MATL	RECT. TUBE
DRAWN BY: PERRITT	
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
X ± .1	
HEAT TREAT	
FINISH SEE -23 WELDMENT	
SPEC	
USED ON MODEL	
AW139	
SCALE	1:4
DATE	6/21/2013
SHEET	16 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



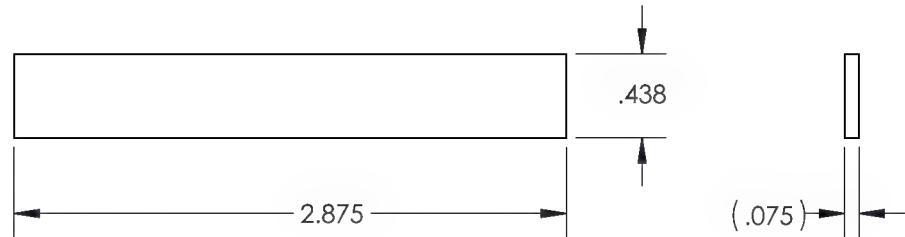
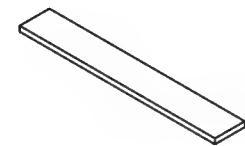
(-29)

TONGUE PLATE

RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY
DWG NO.	RBW6305G19822-3G-29
REV	?
MATL	1018
DRAWN BY:	PERRITT
APPROVED	D Weil
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
SPEC	
USED ON MODEL	
	AW139
SCALE	1:4
DATE	6/21/2013
SHEET	17 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



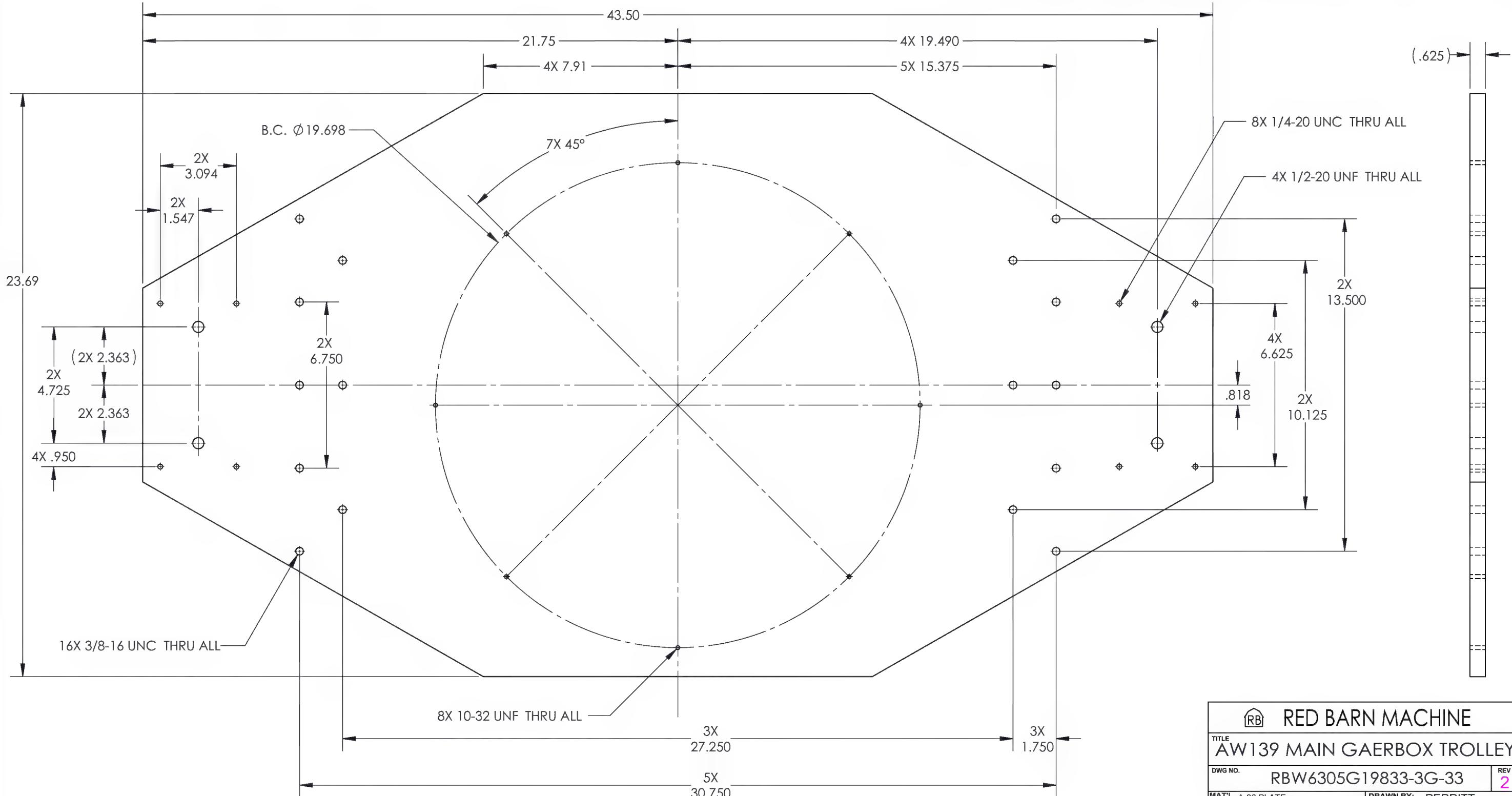
(31)

END CAP

	RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY	
DWG NO.	RBW6305G19822-3G-31	REV ?
MATL	C.R. SHEET	DRAWN BY: PERRITT
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	FRACTIONS ± 1/32	HEAT
.XX ± .01	ANGLES ± .5°	TREAT
.X ± .1		FINISH SEE -23 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL	AW139
SCALE 1:1	DATE 6/21/2013	SHEET 18 OF 28

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	CH'D -33 3/8-16 UNC FROM (X14) TO (X16), DELETED Ø.375 (X2) CALLOUT PER G.E. CH'D FINISH FROM POWDER COAT GREEN PER G.E.	6/24/2013	RJC DW
2	-33 CH'D BOLT CIRCLE FOR SUPPORT RING (-35) WAS CENTERED IS .818 DOWN. CH'D BOLT LOCATION FOR XMSN BLOCK (-37) WAS 2.370 IS 2.363 DOWN, WAS 19.540 IS 19.490, CH'D HOLE SPACING WAS 4.740 IS 4.725. REMOVED 1/4 DOWEL HOLES.	6/26/2013	CFS DW

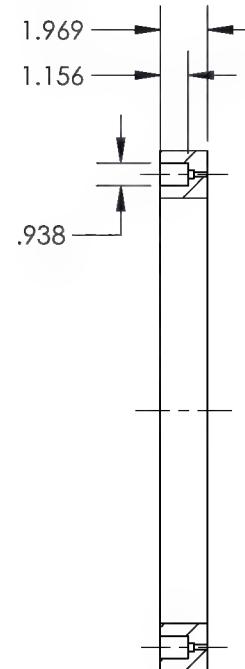
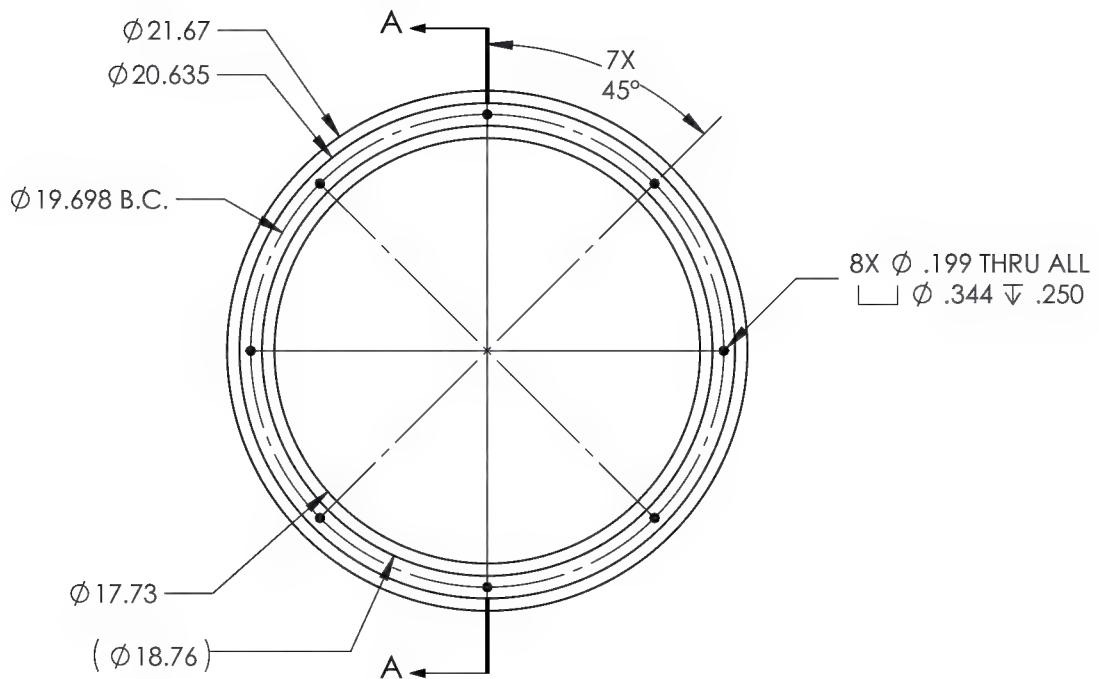


(-33)

TOP PLATE

RED BARN MACHINE	
TITLE	AW139 MAIN GAERBOX TROLLEY
DWG NO.	RBW6305G19833-3G-33
REV	2
MAT'L	A-36 PLATE
DRAWN BY:	PERRITT
APPROVED	D. Weil
UNLESS OTHERWISE SPECIFIED	DIMENSIONS ARE IN INCHES
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	SPEC FED #13538
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW139
SCALE	1:4
DATE	6/21/2013
SHEET	19 OF 28

REV		DESCRIPTION		DATE	INITIAL	APPROVED
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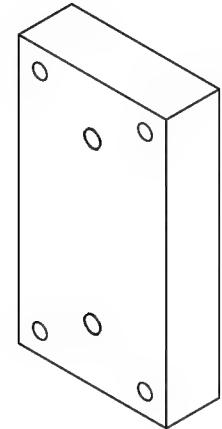
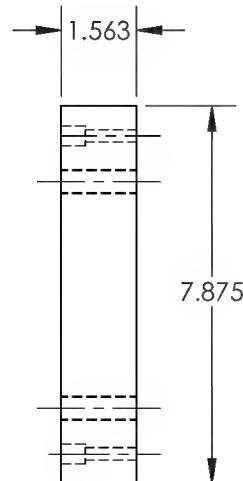
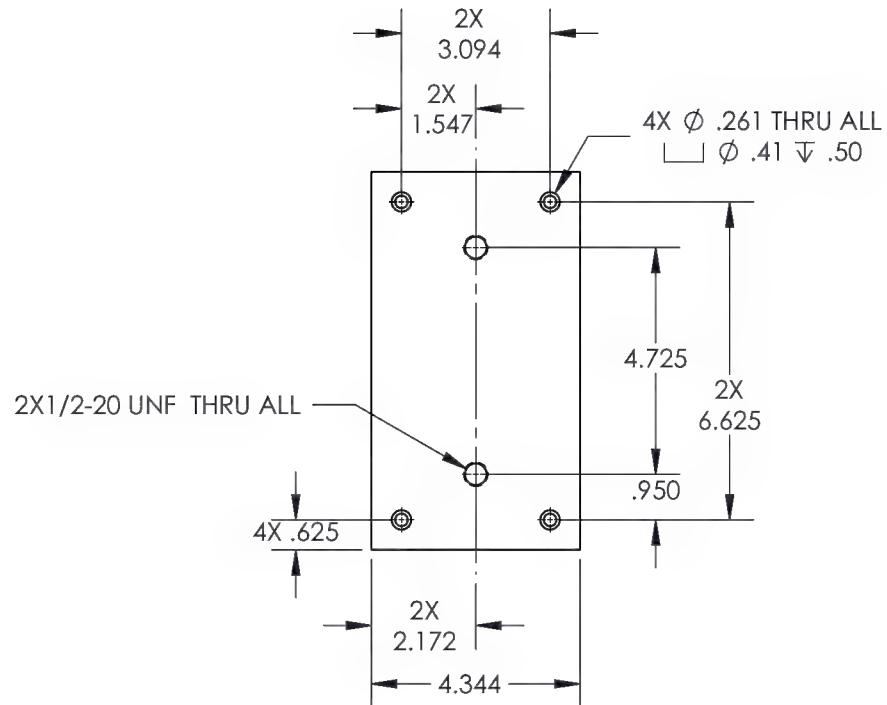
SECTION A-A

(-35)
SUPPORT RING

RB	RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY	
DWG NO.	RBW6305G19833-3G-35	REV ?
MATL	DELRIN	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
.XXX ± .005	FRACTIONS ± 1/32	HEAT
.XX ± .01		TREAT
.X ± .1	ANGLES ± .5°	FINISH
SPEC		
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
USED ON MODEL		AW139
SCALE	1:8	DATE 6/21/2013
		SHEET 20 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-37 CH'D HOLE SPACING WAS 4.740 IS 4.725, REMOVED 1/4 DOWEL HOLES.	6/26/2013	CFS	



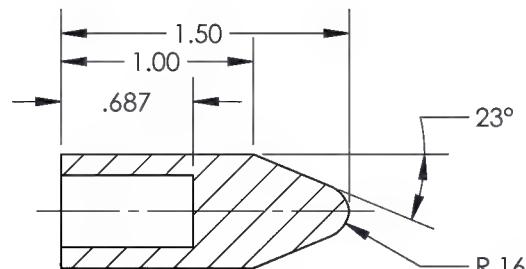
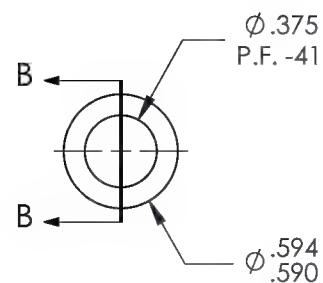
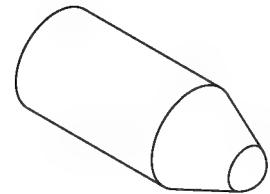
(-37)

XMSN BLOCK

 RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY
DWG NO.	RBW6305G19833-3G-37
REV	2
MATL	6061 FLAT BAR
	DRAWN BY: PERRITT
	APPROVED <i>D Weil</i>
	UNLESS OTHERWISE SPECIFIED
	DIMENSIONS ARE IN INCHES
	.XXX ± .005 FRACTIONS ± 1/32
	.XX ± .01 ANGLES ± .5°
	X ± .1
	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
	SPEC FED #13538
	USED ON MODEL
	AW139
SCALE	1:4
DATE	6/21/2013
SHEET	21 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-39 CH'D LENGTH WAS 1.000 IS 1.50, CH'D SHAPE WAS ROUND IS BULLET.	6/26/2013	CFS	



SECTION B-B

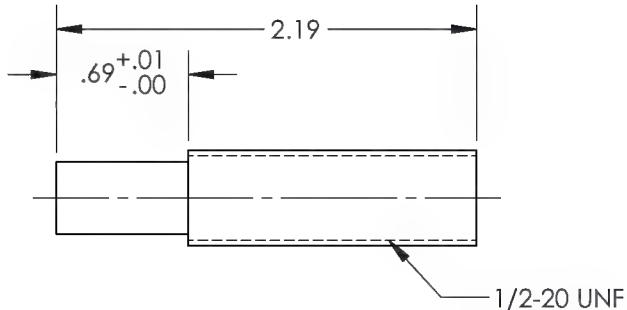
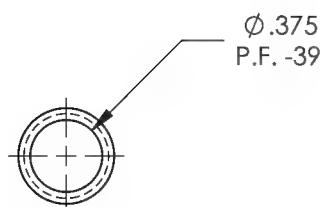
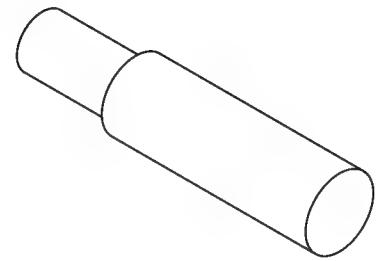
(-39)
PIN NOSE

RED BARN MACHINE	
TITLE AW139 MAIN GEARBOX TROLLEY	
DWG NO.	RBW6305G19833-3G-39
MATL	DELRIN
DRAWN BY: PERRITT <i>D Weil</i>	
APPROVED	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
HEAT	
TREAT	
FINISH	
SPEC	
USED ON MODEL	
AW139	
SCALE	1:1
DATE	6/21/2013
SHEET 22 OF 28	

REV
2

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



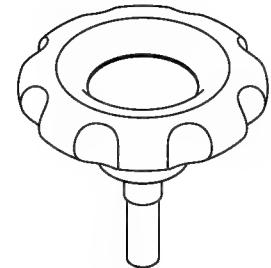
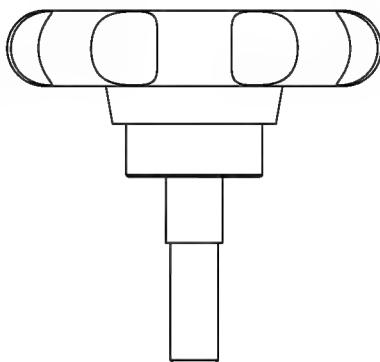
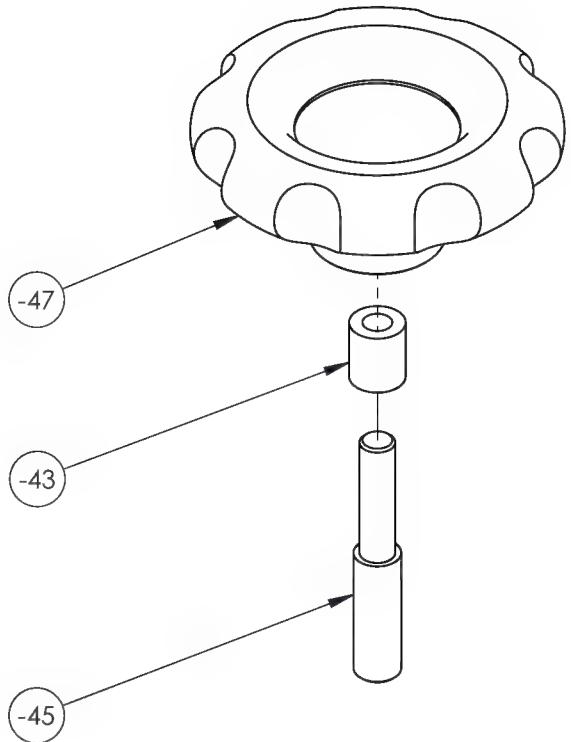
(-41)

PIN ALL THREAD

RED BARN MACHINE			
TITLE AW139 MAIN GEARBOX TROLLEY			
DWG NO.	RBW6305G19833-3G-41		
MATL.	STEEL	DRAWN BY:	PERRITT
UNLESS OTHERWISE SPECIFIED		APPROVED	<i>D Weil</i>
DIMENSIONS ARE IN INCHES		HEAT	
.XXX ± .005	FRACTIONS ± 1/32	TREAT	
.XX ± .01	ANGLES ± .5°	FINISH	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45°		USED ON MODEL	
OR .015R		AW139	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	1:1	DATE	6/21/2013
			SHEET 23 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-43 REMOVED SPACER, MADE -45 AND -47 INTO ASSEMBLY.	6/26/2013	CFS	



(-42)

KNOB ASSEMBLY

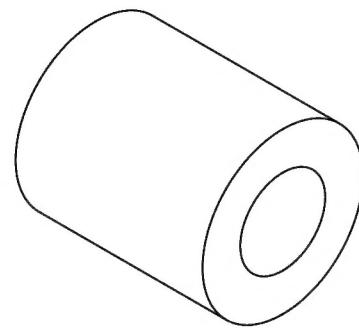
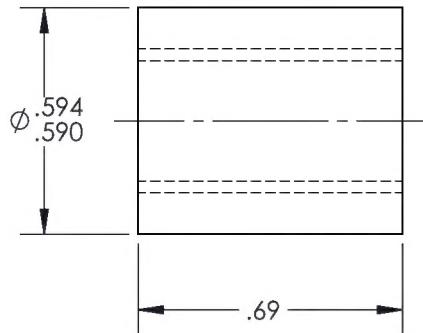
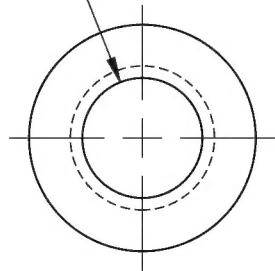
NOTE
1. USE APPROPRIATE ADHESIVE TO LOCK STUD -45 AND KNOB -47 TOGETHER AFTER THREADING SPACER -43 ONTO STUD -45.

	RED BARN MACHINE	
TITLE		
AW139 MAIN GEARBOX TROLLEY		
DWG NO.	RBW6305G19833-3G-42	REV 2
MATL	DRAWN BY: SMITH	
APPROVED <i>D Weil</i>		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
.XXX ± .005 FRACTIONS ± 1/32		
.XX ± .01 ANGLES ± .5°		
.X ± .1		
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
HEAT TREAT FINISH		
SPEC		
USED ON MODEL		
AW139		
SCALE	1:2	DATE 6/27/2013
SHEET 24 OF 28		

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED THREAD TO INSIDE	7/2/2013		

3/8-16 UNC THRU ALL



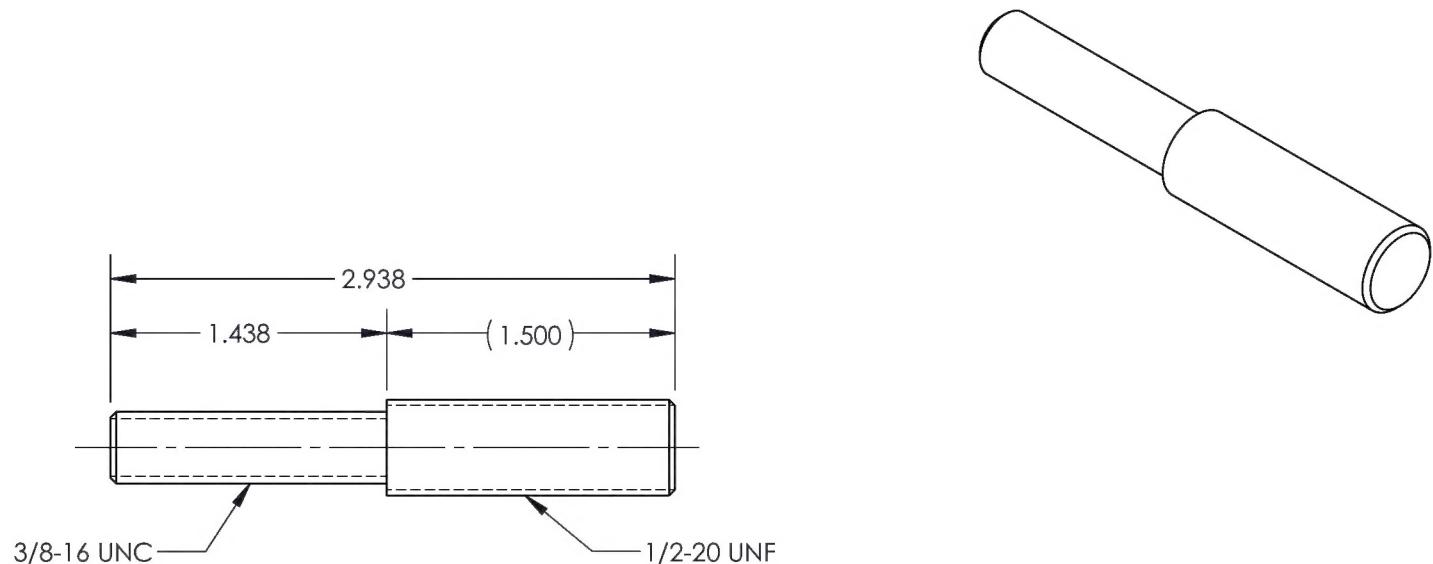
-43

HANDLE SPACER

RED BARN MACHINE	
TITLE AW139 MAIN GEAR BOX TROLLEY	
DWG NO. RBW6305G19833-3G-43	REV 2
MATL DELRIN	DRAWN BY: PERRITT <i>D Weil</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
XX ± .01 ANGLES ± .5°	
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
HEAT TREAT FINISH	
SPEC	
USED ON MODEL AW139	
SCALE 2:1	DATE 6/21/2013
SHEET 25 OF 28	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-45 REMOVED Ø.375 S.F., EXTENDED 3/8-16 THREAD	6/26/2013	CFS	



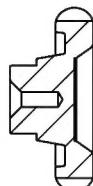
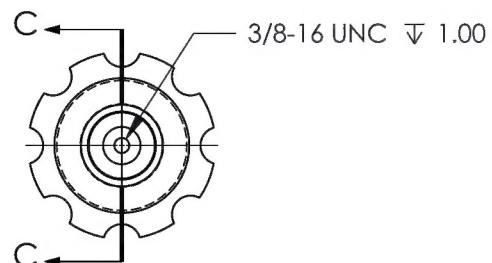
-45

HANDLE ALL THREAD

 RED BARN MACHINE	
TITLE AW139 MAIN GEARBOX TROLLEY	
DWG NO. RBW6305G19833-3G-45 REV 2	
MATL. PLAIN STEEL	DRAWN BY: PERRITT APPROVED <i>D Weil</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
XX ± .01 ANGLES ± .5°	
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
HEAT TREAT FINISH	
SPEC	
USED ON MODEL AW139	
SCALE 1:1	DATE 6/21/2013
SHEET 26 OF 28	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



SECTION C-C

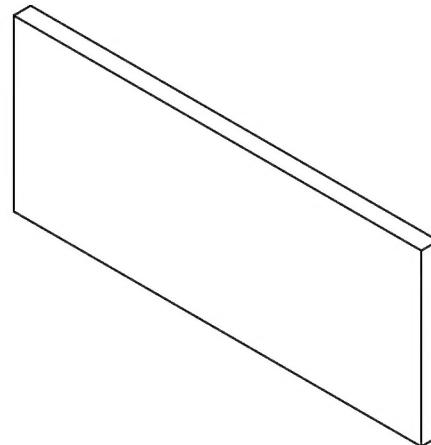
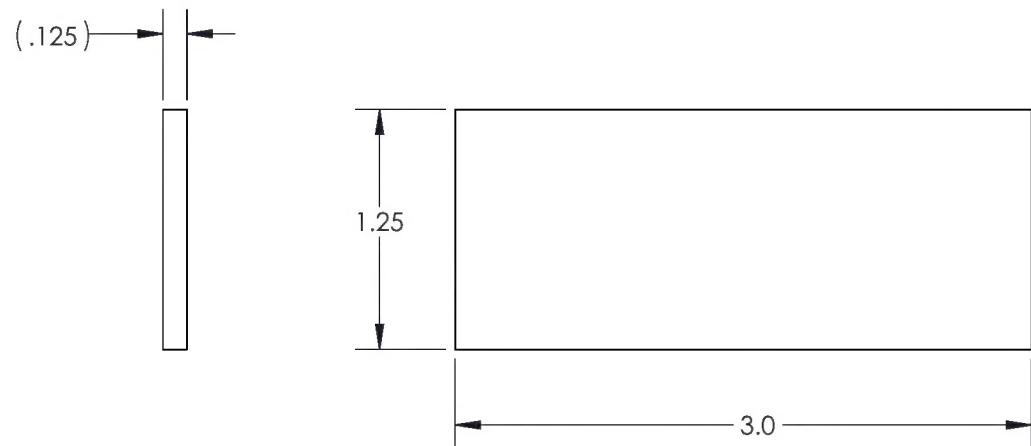
-47

KNOB

	RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY	
DWG NO.	RBW6305G19833-3G-47	REV ?
MATL	PHENOLIC	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN INCHES		
.XXX ± .005	FRACTIONS ± 1/32	HEAT
.XX ± .01	ANGLES ± .5°	TREAT
.X ± .1		FINISH
1. BREAK ALL SHARP EDGES .015 x 45°		
OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER		
PLATING		
SPEC		
USED ON MODEL		
AW139		
SCALE	1:4	DATE 6/24/2013
		SHEET 27 OF 28

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	ADDED PART -67	7/1/2013	JAG	



(-67)

STOP

	RED BARN MACHINE	
TITLE	AW139 MAIN GEARBOX TROLLEY	
DWG NO.	RBW6305G19833-3G-67	REV 2
MATL. STEEL	DRAWN BY: GILBERT	
UNLESS OTHERWISE SPECIFIED	APPROVED	<i>D Weil</i>
DIMENSIONS ARE IN INCHES	HEAT	
.XXX ± .005	TREAT	
.XX ± .01	FINISH	
.X ± .1	ANGLES ± .5°	
1. BREAK ALL SHARP EDGES .015 x 45°	SPEC	
OR .015R	USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER	AW139	
PLATING		
SCALE 1:1	DATE 7/1/2013	SHEET 28 OF 28